

SHELF PRESERVATION OF CELLS, TISSUES, ORGANS AND ORGANISMS BY VITRIFICATION

ABSTRACT OF THE DISCLOSURE

This invention relates to methods for the long-term shelf preservation of cells and multicellular specimens by vitrification. More particularly, the invention is directed to the vitrification of cell or tissue specimens by dehydrating in solutions comprising a permeating cryoprotectant, a non-permeating co-solute and a non-permeating polymeric cryoprotectant followed by cooling to refrigeration or higher storage temperatures.

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